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SEQUENCE LISTING
<110> Schenk, Dale
      Elan Pharmaceuticals
<120> Prevention and Treatment of Amyloidogenic Diseases
<130> 015270-005910US
<140> US 09/585,817
<141> 2000-06-01
<150> WO PCT/US00/25239
<151> 2000-06-01
<150> US 60/137,010
<151> 1999-06-01
<170> PatentIn Ver. 2.1
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      hemagglutinin HA 307-319 universal T-cell epitope
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Phe Phe Leu Leu Thr Arg Ile Leu Thr Ile
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      protein 65 hsp65 153-171 universal T-cell epitope
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Asp Gln Ser Ile Gly Asp Leu Ile Ala Glu Ala Met Asp Lys Val Gly
Asn Glu Gly
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      Calmette-Guerin universal T-cell epitope
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Gln Val His Phe Gln Pro Leu Pro Pro Ala Val Val Lys Leu
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<223> Description of Artificial Sequence:tetanus toxoid
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## TT 830-844 universal T-cell epitope

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Gln Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu Leu
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<210> 8
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      TT 947-967 universal T-cell epitope
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Phe Asn Asn Phe Thr Val Ser Phe Trp Leu Arg Val Pro Lys Val Ser
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Ala Ser His Leu Glu
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<210> 9
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Lys Gln Ile Ile Asn Met Trp Gln Glu Val Gly Lys Ala Met Tyr Ala
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Ile Gly Ile Thr Glu Leu
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 Phe Arg His Asp
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<223> Xaa = any amino acid
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Glu Phe Arg His Asp Ala Lys Xaa Val Ala Ala Trp Thr Leu Lys Ala
Ala Ala
<210> 16
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<223> Description of Artificial Sequence: fusion protein
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<223> Xaa = any amino acid
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Phe Arg His Asp Asp Ala Glu Phe Arg His Asp Asp Ala Glu Phe Arg
His Asp
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<210> 18
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Asp Ala Glu Phe Arg His Asp Ile Ser Gln Ala Val His Ala Ala His
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Ala Glu Ile Asn Glu Ala Gly Arg
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<210> 19
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<223> Description of Artificial Sequence: fusion protein with Abeta immunogenic epitope

<400> 25

Asp Ala Glu Phe Arg His Asp Pro Lys Tyr Val Lys Gln Asn Thr Leu

Lys Leu Ala Thr Glu Lys Lys Ile Ala Lys Met Glu Lys Ala Ser Ser

Val Phe Asn Val Gln Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile 40

Thr Glu Leu Phe Asn Asn Phe Thr Val Ser Phe Trp Leu Arg Val Pro 55

Lys Val Ser Ala Ser His Leu Glu Asp Ala Glu Phe Arg His Asp Asp 65

Ala Glu Phe Arg His Asp Asp Ala Glu Phe Arg His Asp Asp Ala Glu 90

Phe Arg His Asp Gln Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile 100

Thr Glu Leu Phe Asn Asn Phe Thr Val Ser Phe Trp Leu Arg Val Pro 115 120

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Lys Val Ser Ala Ser His Leu Glu
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Asp Ala Glu Phe Arg His Asp Gln Tyr Ile Lys Ala Asn Ser Lys Phe
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Ile Gly Ile Thr Glu Leu Cys Phe Asn Asn Phe Thr Val Ser Phe Trp
Leu Arg Val Pro Lys Val Ser Ala Ser His Leu Glu
<210> 27
<211> 51
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: fusion protein
      with Abeta immunogenic epitope
<400> 27
Asp Ala Glu Phe Arg His Asp Gln Tyr Ile Lys Ala Asn Ser Lys Phe
Ile Gly Ile Thr Glu Leu Cys Phe Asn Asn Phe Thr Val Ser Phe Trp
Leu Arg Val Pro Lys Val Ser Ala Ser His Leu Glu Asp Ala Glu Phe
Arg His Asp
     50
<210> 28
<211> 22
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: fusion protein
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      resin of Lys-Gly-Cys
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Asp Ala Glu Phe Arg His Asp Gln Tyr Ile Lys Ala Asn Ser Lys Phe
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       fusion protein in MAP-4 configuration
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Glu Gln Val Thr Asn Val Gly Gly Ala Ile Ser Gln Ala Val His Ala
                   5
Ala His Ala Glu Ile Asn Glu Ala Gly Arg
<210> 30
<211> 13
<212> PRT
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      peptide with Cys added
Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val Cys
<210> 31
<211> 6
<212> PRT
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      peptide with Cys added
<400> 31
Asp Ala Glu Phe Arg Cys
<210> 32
<211> 12
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Cys Xaa Gly Leu Met Val Gly Gly Val Val Ile Ala
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<211> 20
<212> PRT
<213> Artificial Sequence
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<223> Description of Artificial Sequence: Abeta 13-28
      peptide with Cys added
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<221> MOD RES
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Xaa His His Gln Lys Leu Val Phe Phe Ala Glu Asp Val Gly Ser
Asn Lys Gly Gly Cys
<210> 34
<211> 42
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: Abeta 42
<400> 34
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Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
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Gly Leu Met Val Gly Gly Val Val Ile Ala
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